

## ABSTRACT OF THE DISCLOSURE

A method is provided for creating a binary-coding pattern to be used in binary-coding a multi-value image.

- 5 The method includes the steps of: creating a basic pattern shape of the prospective binary-coding pattern by a first arithmetic operation; determining the sequence of lighting pixels composing such basic pattern by a second arithmetic operation; and creating a rectangular pattern, which
- 10 serves as the prospective binary-coding pattern, based on the resultant basic pattern. Hereby, it is possible to automatically create a centralized type of binary-coding pattern, and also it is possible to facilitate creating a minimum-sized binary-coding
- 15 pattern.